

**Abstract**

The present invention relates to a connector  
5 arrangement having a connector and a corresponding mating  
connector for electrical connection of at least two multi-  
core cables, the cables comprising at least two core pairs  
allowing symmetrical transmission of time-variable  
differential signals on each core pair, and the connector  
10 comprising a connector housing and the mating connector  
comprising a mating connector housing, each of which  
comprise contact elements which engage in one another when  
plugged together. The associated mating contact elements in  
the connector housing and in the mating connector housing  
15 corresponds to the spatial arrangement of the core pairs in  
the cables. The two core ends and the associated contact  
elements of each core pair are arranged approximately  
equidistantly relative to each core end and the associated  
contact elements of at least one of the other core pairs.